

I CLAIM:

1. A key card for use in an electronic lock, the lock including a reader, the key card including coded information detectable by the reader so that the electronic lock can be opened, the key card comprising at least two panels joined on adjacent edges of the two panels, each panel having an inside surface and an outside surface, printed informational matter being located on the inside surfaces of the two panels, the printed informational matter being visible when the two panels are opened to reveal the printed informational matter.
- 10 2. The key card of claim 1 wherein the two panels are hinged along adjacent edges.
3. The key card of claim 2 wherein the two panels comprise sections of a folded sheet.
4. The key card of claim 1 wherein the two panels have a combined thickness of up to 0.032 inch.
- 15 5. The key card of claim 1 wherein the combined thickness of the two panels is approximately the same as the thickness of a card with which the reader is used.
6. The key card of claim 1 wherein the coded information on the key card comprises information encoded on a programmable magnetic stripe.
7. The key card of claim 6 wherein the magnetic stripe is located on and outside 20 surface of one of the panels.
8. The key card of claim 1 wherein the coded information on the key card is erasable and is replaceable by different coded information to permit reuse of the key card.
9. The key card of claim 1 including a third panel, one of the panels being joined to both of the other panels.
- 25 10. The key card of claim 1 having a width of up to four inches and a height of up to five inches.
11. An apparatus for providing information to a user comprising a key card for use in unlocking an electronic door lock, the key card comprising a pamphlet having multiple inside pages and multiple outside pages, at least the inside pages including informational matter that can be referenced by the user, the key card also including a programmable

storage medium on which coded information accessible by the electronic door lock can be stored, whereby the amount of informational matter on a key card can be increased.

12. The apparatus of claim 11 wherein informational matter is also located on outside pages.

5 13. The apparatus of claim 11 wherein the programmable storage medium is located on one outside page.

14. The apparatus of claim 13 wherein the programmable storage medium comprises a magnetic stripe.

10 15. The apparatus of claim 11 wherein the coded information is erasable from the programmable storage medium to permit reuse of the key card.

16. The apparatus of claim 11 wherein the pamphlet comprises a folded sheet with the multiple inside and outside pages comprising sections of the folded sheet.

17. The apparatus of claim 11 wherein the informational matter comprises printed matter.

15 18. A booklet for distribution to individual users comprising a document having a multi-page format including a pair of outwardly facing pages and at least two inwardly facing pages, each page including printed matter, one of the outwardly facing pages also including a programmable machine readable member including coded information unique to an individual user, whereby the multi-page format increases available display space for printed matter and the document retains a length, width and thickness suitable for use in a machine for reading the coded information on the programmable machine readable member.

20 19. The booklet of claim 18 comprising an advertising display including a plurality of separate advertisements in the form of printed matter on the pages.

25 20. The booklet of claim 18 wherein the document comprises a key card having dimensions suitable for use in an electronic door lock.

21. A smart card assembly comprising first and second hinged planar members, the first planar member including an integrated circuit with accessible memory, the second planar member having an inside surface and an outside surface with printed display matter disposed thereon, the first and second planar members being joined by a relative thin, flexible membrane bonded to inside surfaces of the first and second planar

members, the membrane permitting the first and second members to be disposed in either an open coplanar configuration or in a folded position with the inside surfaces being in contact with each other.

22. The smart card assembly of claim 21 wherein the first planar member includes an

5 I/O interface for accessing the integrated circuit and the accessible memory.

23. The smart card assembly of claim 22 wherein the I/O interface comprises a contactless interface.

24. The smart card assembly of claim 22 wherein the I/O interface comprises electrical contacts exposed on the inside surface of the first planar member.

10 25. The smart card assembly of claim 24 wherein the electrical contacts are disposed adjacent a first end of the first planar member and the flexible membrane is bonded to an opposite second end of the first planar member so that the flexible membrane does not cover the electrical contacts.

26. The smart card assembly of claim 21 wherein flexible membrane comprises an optically transparent membrane.

15 27. The smart card assembly of claim 26 wherein printed display matter is disposed beneath the optically transparent membrane.

28. The smart card assembly of claim 21 wherein printed display matter is disposed on the optically transparent membrane.

20 29. The smart card assembly of claim 21 wherein a magnetic stripe is disposed on the outside surface of the first planar member.

30. The smart card assembly of claim 21 wherein the first planar member includes an embossed area on the inside surface thereof, the flexible membrane being spaced from the embossed area.

25 31. A pamphlet including electronically accessible programmable storage area and printed informational material located on visible surfaces of the pamphlet, the pamphlet comprising first and second hinged planar members joined by a flexible membrane bonded to each of the planar members at adjacent ends thereof, the flexible membrane being spaced from the programmable storage area so as not to interfere with access to the programmable storage area for read operations.

32. The pamphlet of claim 31 wherein the flexible membrane is spaced from the programmable storage area so as not to interfere with access to the programmable storage area for read and write operations.
33. The pamphlet of claim 31 wherein the first planar member has a thickness of approximately 0.76 mm.
34. The pamphlet of claim 31 wherein the first and second planar members have approximately the same thickness.
35. The pamphlet of claim 31 wherein the programmable storage area comprises an integrated circuit device with accessible memory.
- 10 36. The pamphlet of claim 31 wherein the programmable storage area comprises a magnetic strip bonded to a face of the first planar member on a surface opposite from the surface to which the flexible membrane is bonded.
37. A folded card for use in an electronic reader, the folded card comprising a one piece member having at least two pages that can be folded between an open and a closed position, the folded card including a recording medium, suitable for storing encoded data, on at least one of the pages and printed matter on at least one other page, the two pages being joined by a living hinge comprising a section having a thickness less than the thickness of the remainder of the folded card so that the living hinge is sufficiently flexible to allow the card to be folded.
- 15 20 38. The booklet of claim 18 wherein at least one additional programmable machine readable member in the form of a magnetic stripe is added to a second page.
39. The booklet of claim 18 wherein at least one of the pages is detachable from the booklet.